22. The endovascularly emplaced prosthesis as in claim 21, wherein the endovascularly emplaced prosthesis includes two smaller leg portions each defining a smaller lumen, and further wherein the supplemental graft member is positioned along the length of one of the smaller lumen.

23. The method of intraluminal emplacement as in claim 3, wherein the provided first graft body is an implanted failed or leaking graft.

24. The method for positioning an intraluminal graft as in claim 13, wherein the intraluminal graft reinforces the emplaced graft.

25. The method for positioning an intraluminal graft as in claim 24, wherein the emplaced graft is a bifurcated graft.

26. The method for positioning an intraluminal graft as in claim 26, wherein the emplaced graft has a trunk portion defining a first lumen and two smaller leg portions each defining a smaller lumen, and the provided intraluminal graft enables fluid flow through the first lumen and the two smaller lumens.

27. The method for positioning an intraluminal graft as in claim 24, wherein the provided intraluminal graft extends along the body and a leg of the emplaced graft.

28. A patch for an endovascularly emplaced prosthesis that is failed or leaking, the patch comprising:
a graft formed from a biocompatible material and having first and second ends, a trunk portion defining a first lumen and a leg portion defining a second lumen, wherein the biocompatible material defines an opening adjacent to the leg portion such that fluid entering the trunk portion flows through both the leg portion and the opening.

A2 Cont

29. The patch for an endovascularly emplaced prosthesis as in claim 28, wherein the endovascularly emplaced prosthesis is a bifurcated graft.

30. The patch for an endovascularly emplaced prosthesis as in claim 28, wherein the second lumen has a smaller diameter than the first lumen.

31. A method for patching a failed or leaking implanted graft, the method comprising:
providing an inflatable balloon;
providing an intraluminal graft comprising a tubular body circumferentially reinforced along its length by a plurality of spaced-apart wires, said graft being radially positioned on said balloon such that upon inflation of the balloon, the graft expands from a radially compressed to a radially expanded position;
providing a catheter having proximal and distal ends, with said graft and balloon extending into the proximal end of said catheter;
introducing said catheter into a portion of the implanted graft;
withdrawing said catheter to expose said intraluminal graft adjacent the distal end of the catheter; and
inflating said balloon to radially expand said intraluminal graft at a predetermined position in said implanted graft, whereby upon expansion the intraluminal graft patches the implanted graft.

A2 Cancel

32. The method of claim 31, wherein the implanted graft is a bifurcated graft.

33. The method of claim 32, wherein the bifurcated graft defines first and second flow paths extending from the tubular body.

34. The method of claim 33, further including a leg defining one of said flow paths.